

PUBLIC NOTICE

PERMIT APPLICATION NUMBER: NRS 06.070

APPLICANT: Jeff Galyon
Public Building Authority
912 South Gay Street, Suite 700
Knoxville, TN 37902
865-215-4611

LOCATION: The proposed aquatic resource alterations are located in the northeast corner of the intersection of Hardin Valley Road and Steele Road adjacent to Hardin Valley Elementary School. Knox County (35.9345°N, 84.1809°W)

WATERSHED DESCRIPTION: Aquatic resources proposed to be altered include an unnamed tributary to Conner Creek and a wetland. These resources are located in the Lower Clinch watershed (HUC 06010207). The unnamed tributary to Conner Creek is a spring fed stream with an average channel width of about 1 foot and a channel depth of 0.5 foot. In certain areas the stream does not have a defined channel due to an old farm pond. The unnamed tributary to Conner Creek emerges north of Hardin Valley Road and flows about 400 feet before entering a 0.07-acre wetland and then flows into an existing detention pond. Conner Creek flows through the northern portion of the property. The wetland consists mainly of rushes and cattails. Land use in the immediate area is mainly residential. The tributary has not been assessed.

PROJECT DESCRIPTION: The applicant proposes to fill approximately 400 feet of the tributary and 0.07-acre of wetland to accommodate the construction of Hardin Valley High School and its amenities. The tributary would be filled for the construction of a football field and an access road. The filling of 400 feet of stream would be mitigated by the creation of 120 feet of stream during a relocation of another unnamed tributary to Conner Creek (already permitted) and the enhancement of approximately 1,500 feet of Conner Creek. The enhancement would consist of bank stabilization, tree and shrub plantings, removal of a culvert and bridge, and a log drop structure. The trees would consist of black willow, red maple, green ash, sycamore, chestnut oak, pin oak and red oak. The shrubs would consist of button brush, silky dogwood, Virginia sweet spire, and spicebush. Discussions about permanent protection of the mitigation area have been initiated and are still ongoing. The 0.07-acre of wetland would be filled to accommodate an access road to the school. Two other Aquatic Resource Alteration Permits (general permits for stream restoration and minor wetland alterations) have already been issued for other alterations on this property.

This public notice is for informative purposes only and is not a tentative decision.

PERMIT COORDINATOR: Trent Thomas

USGS TOPOGRAPHIC QUADRANGLE: Lovell, TN (138 - NE)

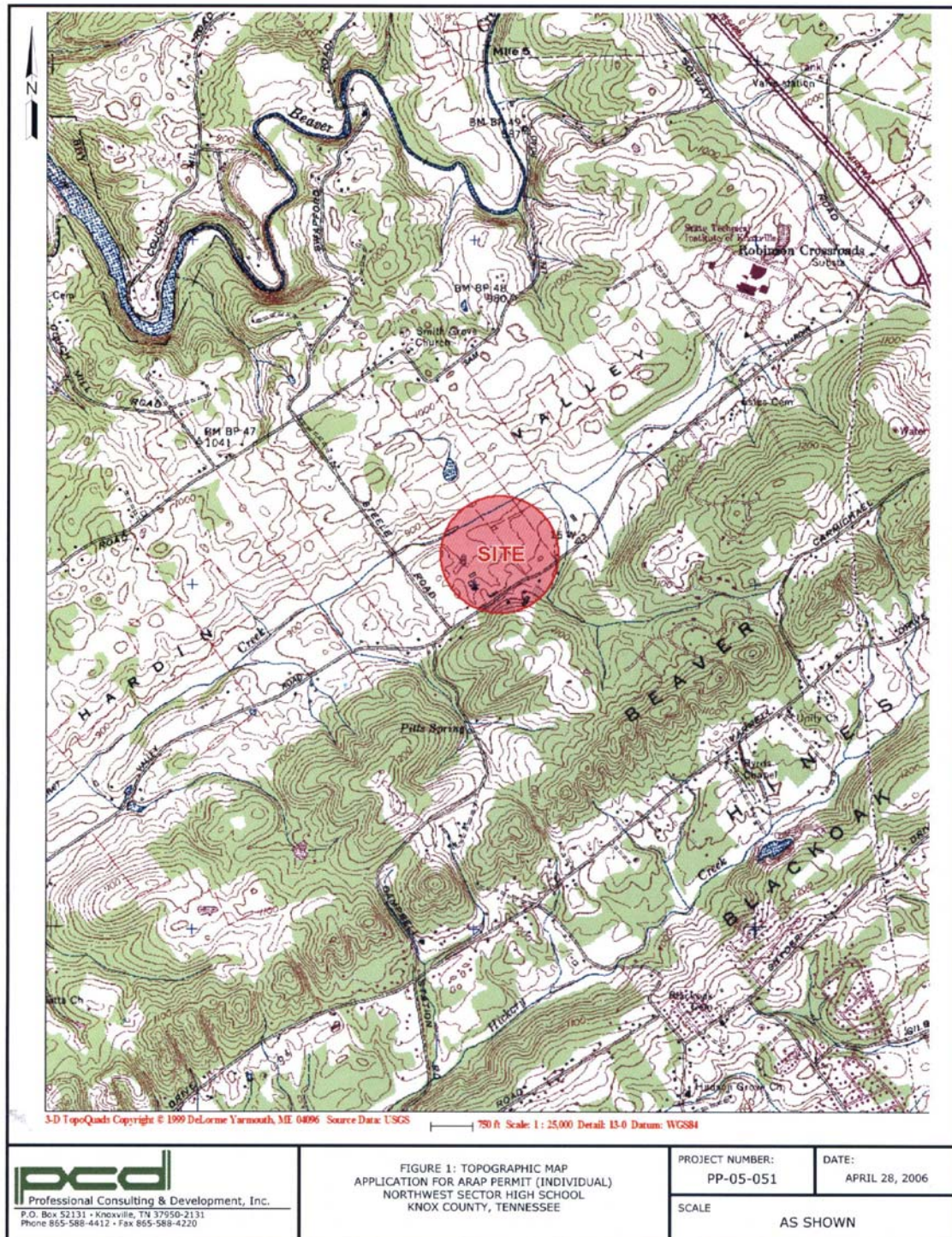


Figure 1: Topographic map showing approximate location of proposed alterations

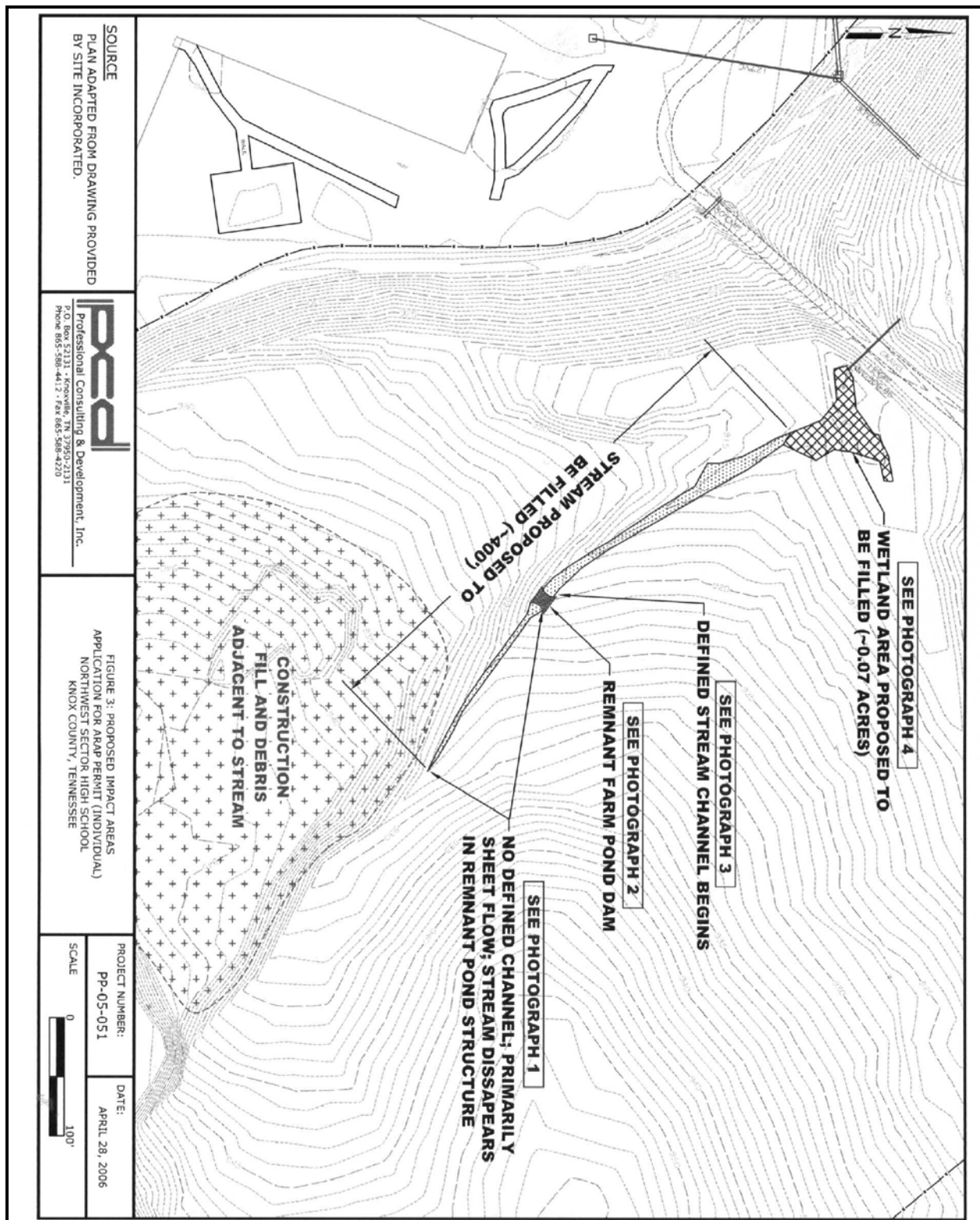
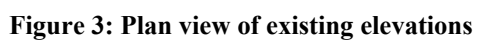


Figure 2: Plan view of unnamed tributary and wetland to be filled



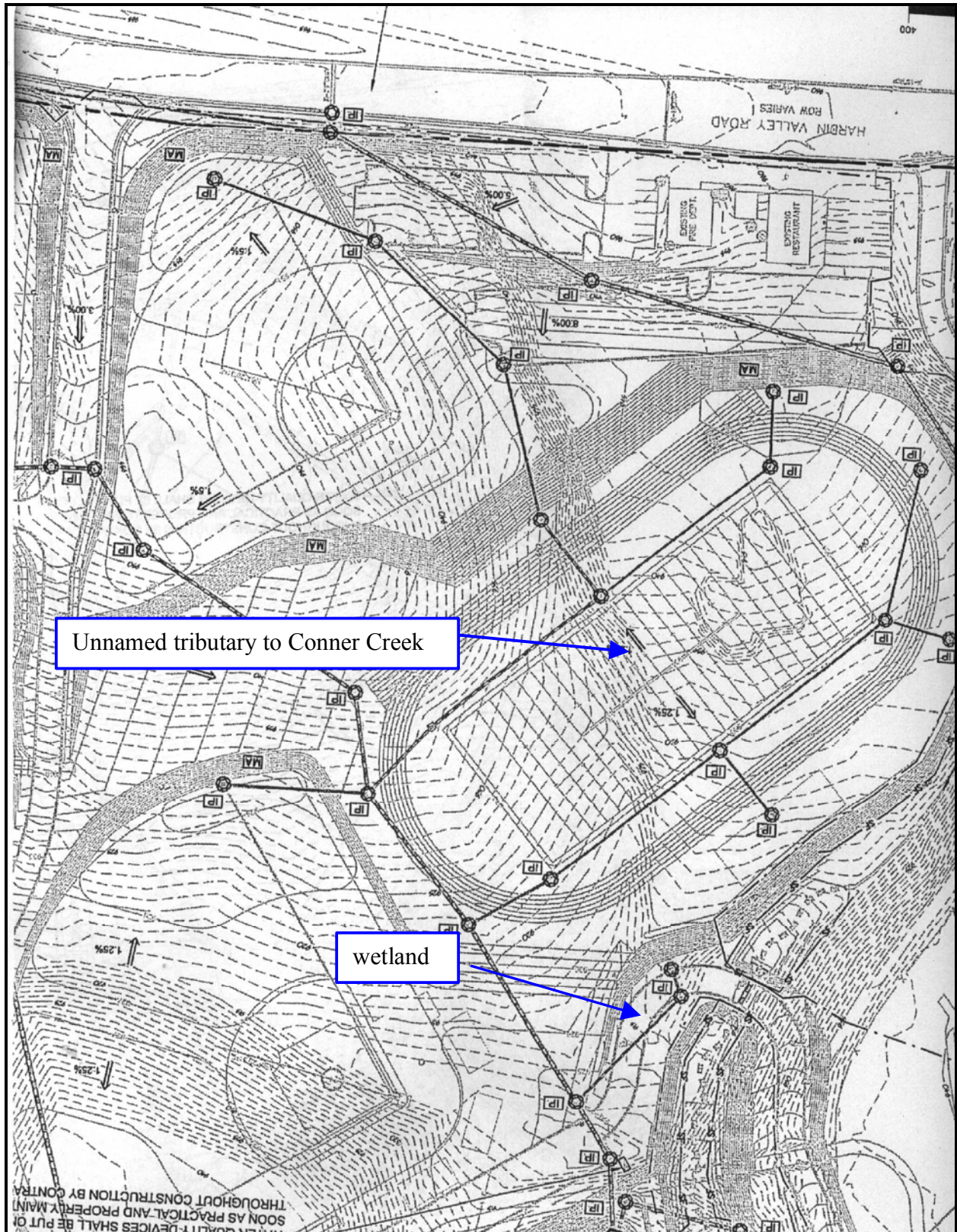


Figure 4: Proposed conditions

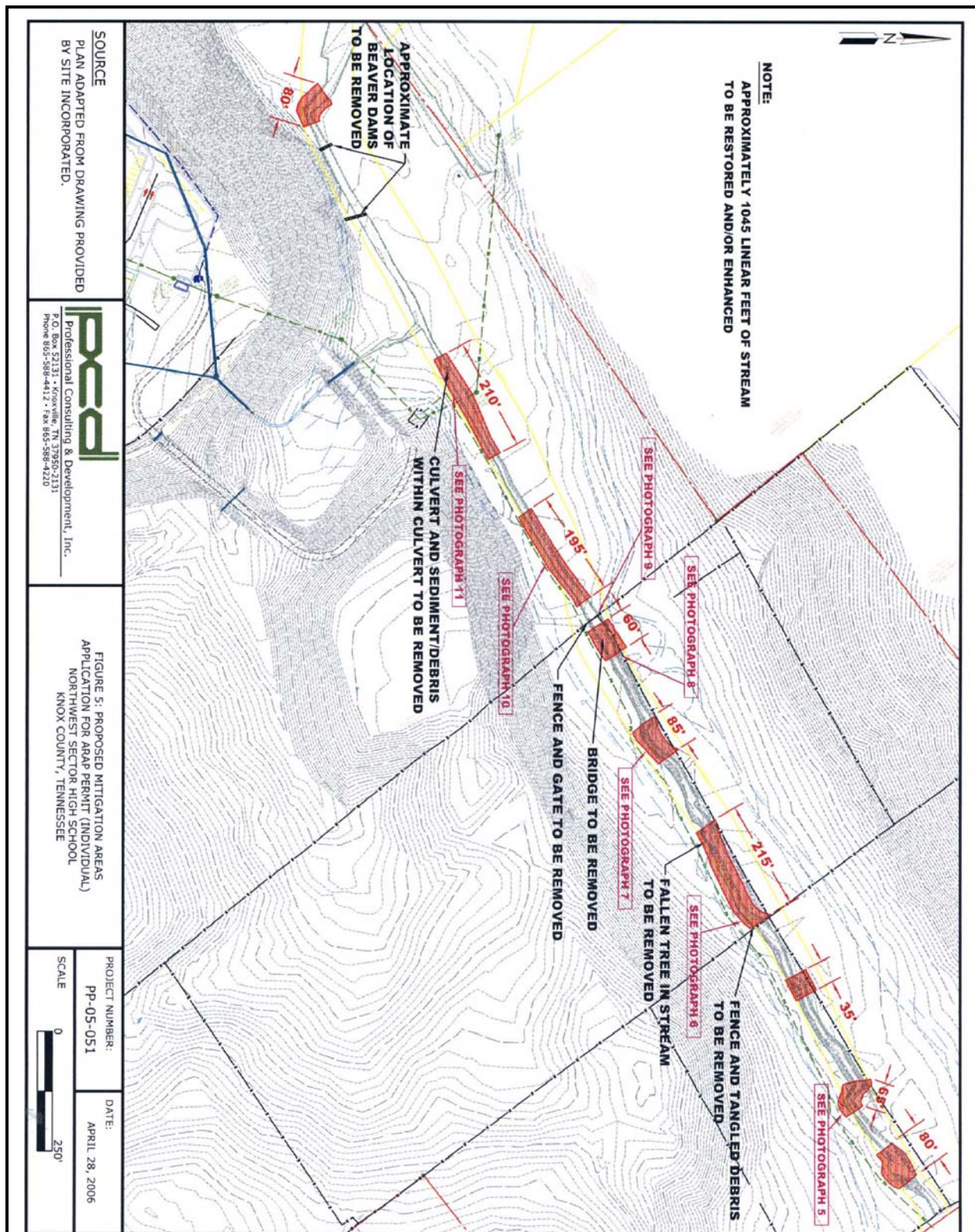


Figure 5: Plan view of areas along Conner Creek to be enhanced

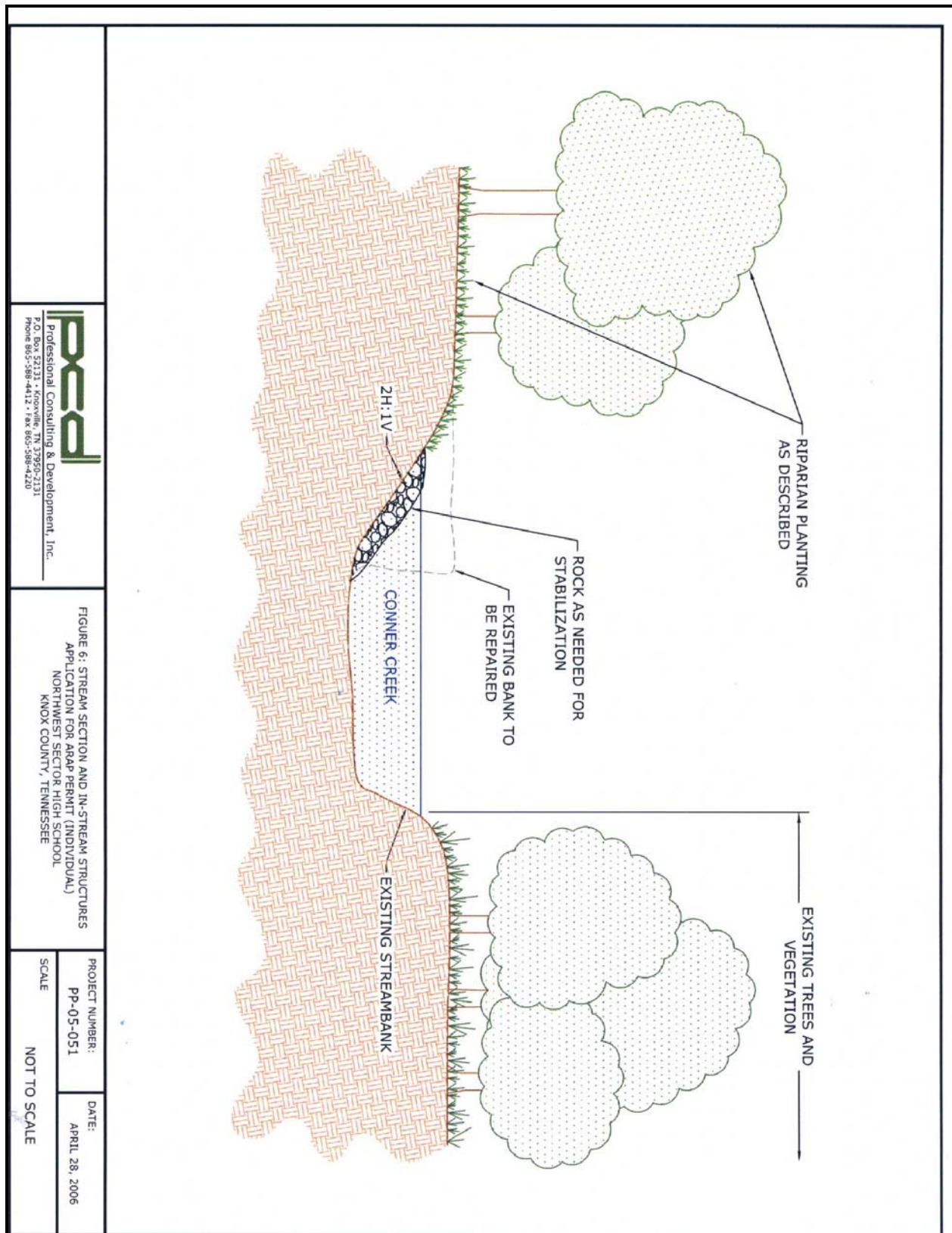
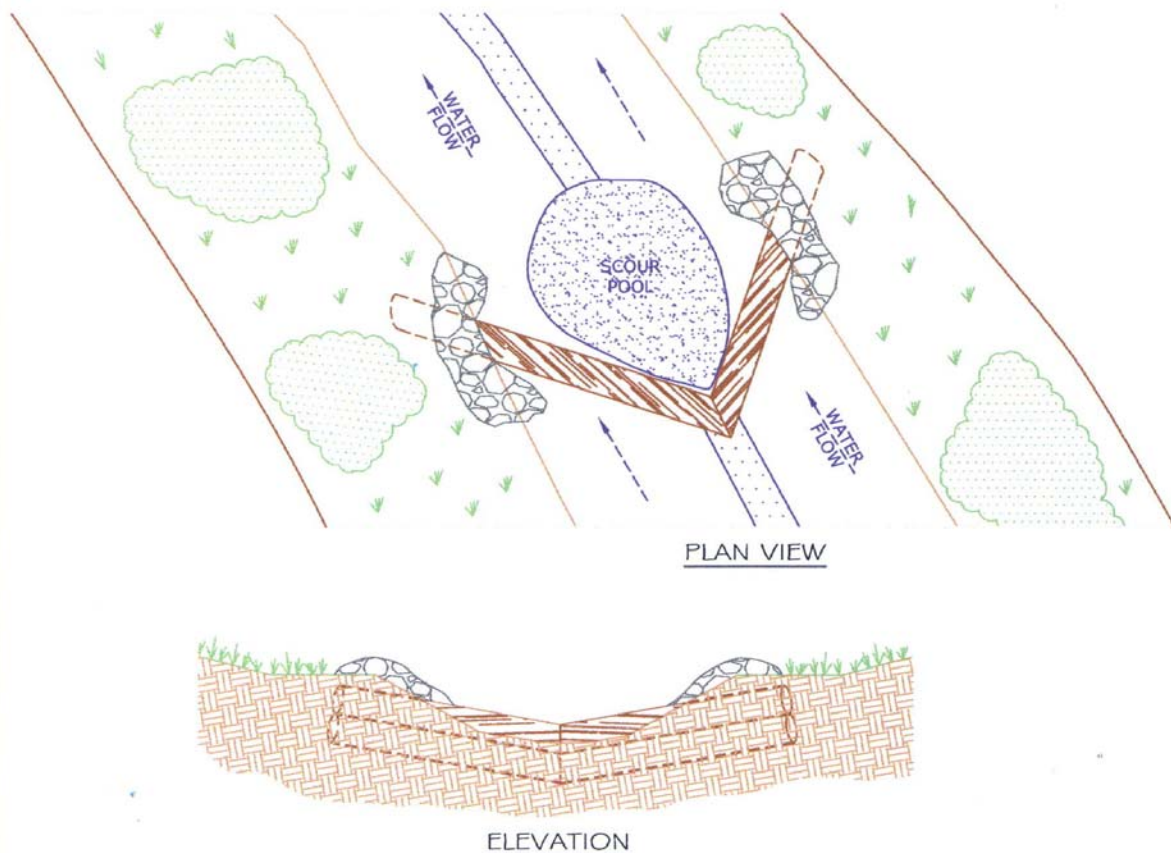


Figure 6: Cross section of proposed stream enhancement

PROPOSED INSTREAM LOG DROP STRUCTURE

NOTES:

1. IF POSSIBLE, SYCAMORE OR OTHER ROT RESISTANT LOG, MINIMUM 1' DIAMETER SHOULD BE USED FOR CONSTRUCTION.
2. THE LOGS SHOULD BE ANCHORED AT LEAST 3.5' TO 5' INTO THE STREAMBANK.
3. THE ENDS SHALL BE BACKFIELD WITH ROCK AND EXCAVATED MATERIAL. THE BACKFILL MUST BE ARMORED WITH APPROPRIATELY SIZED ROCK TO PREVENT EROSION.
4. LOG DROP STRUCTURES PLACED IN SERIES IN THE SAME STREAM REACH SHALL BE CONSTRUCTED SUCH THAT THE TOP OF THE DOWNSTREAM LOG IS PLACED AT THE SAME LEVEL OR LOWER THAN THE BOTTOM OF THE UPSTREAM LOG.
5. DROP STRUCTURES ARE TO BE LOCATED IN NON-RIFFLE AREAS WHERE BANK HEIGHT IS AT LEASE 1.5' IN HEIGHT.



pcd
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FIGURE 7: PROPOSED LOG DROP STRUCTURE
APPLICATION FOR ARAP PERMIT (INDIVIDUAL)
NORTHWEST SECTOR HIGH SCHOOL
KNOX COUNTY, TENNESSEE

PROJECT NUMBER:
PP-05-051

DATE:
APRIL 28, 2006

SCALE
NOT TO SCALE

Figure 7: Log drop structure to be placed in Conner Creek